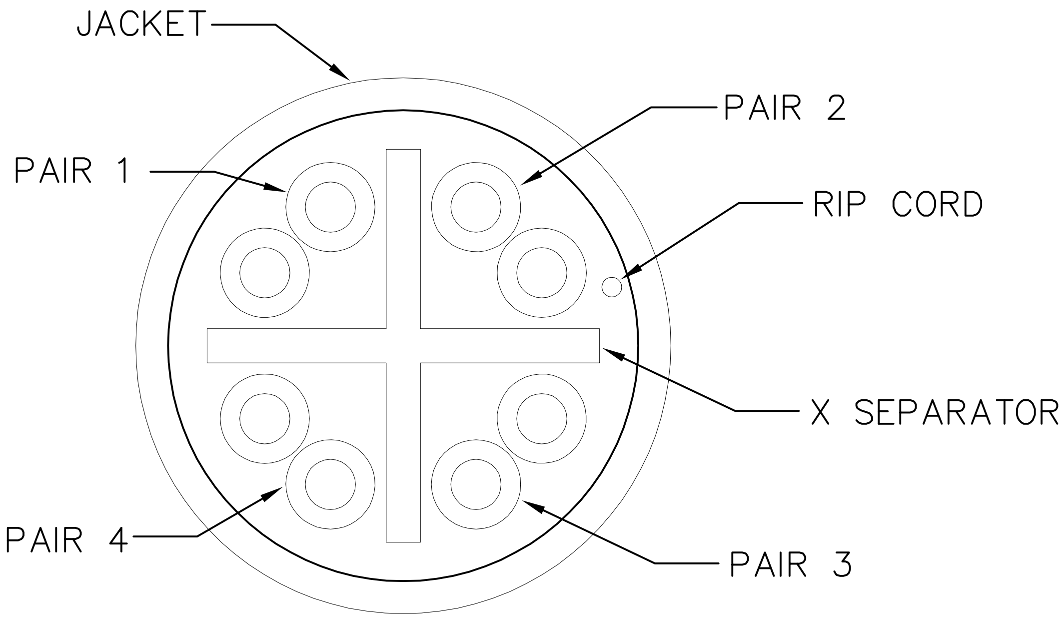
Category 6A 650MHz UTP CMR Solid Copper Cable

PRODUCT SPECIFICATION

Package includes:

A. Category 6A UTP CMR Solid Copper Cable, 1000 ft/reel



PAIR 1: BLUE & WHITE
PAIR 2: ORANGE & WHITE
PAIR 3: GREEN & WHITE
PAIR 4: BROWN & WHITE

Features and Benefits:

- Complies to IEEE 802.3an 10G BASE-T and TIA-568-C.2 standards.
- Easy to dispense cable with reel design, saving your time and energy on the job site.
- Convenient sequential footage markings for usage tracking.
- Commercial / Flame rated required in most commercial installations.
- ETL verified TIA/EIA 568-C.2 for maximum performance.
- UL 1863 compliant.

CABLE, CAT6A, UTP, 23AWG, 4P, CMR, 1000ft			ICC PremiumProducts ProvenPerformance CompetitivePrices
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CATEGORY 6A 650MHz UTP CABLE ELECTRICAL PERFORMANCE (100 METER/328 FT)								ALIEN CROSSTALK	
FREQ. (MHz)	INSERTION LOSS, MAX. (dB/100M)	RETURN LOSS MIN. (dB/100M)	NEXT MIN. (dB/100M)	PS NEXT MIN. (dB/100M)	ACRF MIN. (dB/100M)	PS ACRF MIN. (dB/100M)	PROPAGATION DELAY MAX. (dB/100M)	PS ANEXT MIN (dB/100M)	PS AACRF MIN (dB/100M)
1.0	2.1	20.0	78.3	76.3	71.8	68.8	570.0	67.0	67.0
4.0	3.8	24.2	69.3	67.3	59.8	56.8	552.0	67.0	66.2
8.0	5.3	26.3	64.8	62.8	53.7	50.7	546.7	67.0	60.1
10.0	5.9	27.0	63.3	61.3	51.8	48.8	545.4	67.0	58.2
16.0	7.5	27.0	60.2	58.2	47.7	44.7	543.0	67.0	54.1
20.0	8.4	27.0	58.8	56.8	45.8	42.8	542.0	67.0	52.2
25.0	9.4	26.3	57.3	55.3	43.8	40.8	541.2	67.0	50.2
31.25	10.5	25.6	55.9	53.9	41.9	38.9	540.4	67.0	48.3
62.5	15.0	23.5	51.4	49.4	35.9	32.9	538.6	65.6	42.3
100.0	19.1	22.1	48.3	46.3	31.8	28.8	537.6	62.5	38.2
155.0	24.1	20.8	45.4	43.4	28.0	25.0	536.9	59.6	34.4
200.0	27.6	20.0	43.8	41.8	25.8	22.8	536.5	58.0	32.2
250.0	31.1	19.3	42.3	40.3	23.8	20.8	536.3	56.5	30.2
300.0	34.3	18.8	41.1	39.3	22.3	19.3	536.1	55.3	28.7
350.0	37.2	18.3	40.1	38.1	20.9	17.9	535.9	54.3	27.3
400.0	40.1	17.9	39.3	37.3	19.8	16.8	535.8	53.5	26.2
500.0	45.3	17.5	37.8	35.8	17.8	14.8	535.6	52.0	24.2
550.0*	47.7	17.2	37.2	35.2	–	–	–	–	–
600.0*	50.1	16.9	36.6	34.6	–	–	–	–	–
650.0*	52.3	16.7	36.1	34.1	–	–	–	–	–

*FREQUENCIES ARE FOR REFERENCE ONLY

NOTES: UNLESS OTHERWISE SPECIFIED

1. DESCRIPTION
   A. RATED TEMPERATURE: 75°C
   B. FLAME TEST: FT4
2. ELECTRICAL PROPERTIES:
   A. CONDUCTOR DCR: 9.38/100M @20°C
   B. DCR UNBALANCE: 3% MAX
   C. CAPACITANCE UNBALANCE PAIR/GROUND: 330°F/100M MAX
   D. IMPEDANCE: 100 OHMS±10% (10-550MHz)
   100 OHMS±12% (1-100MHz)
   100 OHMS±15% (>100-350MHz)
   100 OHMS±22% (>350MHz)
   E. PROPAGATION DELAY SKEW: 25 ns/100M MAX
   F. NOMINAL VELOCITY OF PROPAGATION (NVP): 70%
   G. INSTALLATION TEMPERATURE: 32°~140°F
   H. OPERATIONAL TEMPERATURE: -4°~167°F
3. PERFORMANCE:
   A. SEE TABLE ABOVE
4. CERTIFICATION:
   A. IEEE 802.3an 10G BASE-T
   B. TIA-568-C.2
   C. UL
   D. ETL
5. BEND RADIUS: 1.34"
6. CABLE JACKET COLOR: XX = BL-BLUE, WH-WHITE
7. PACKAGING:
   A. BULK PACKAGE: 1000 FT/REEL
   B. REEL SIZE: 15.75W X 13.00H
   C. WEIGHT: 51.8 LBS

CABLE CONSTRUCTION		
		CMR
CONDUCTOR	SIZE	23AWG x 4P
	CONTRUCTION	SOLID BARE COPPER
SEPARATOR	MATERIAL	PE
INSULATION	MATERIAL	PE
JACKET	DIAMETER	0.34"
	MATERIAL	FLAME RETARDANT PVC

PART NUMBER	DESCRIPTION
ICCABR6ABL	CAT6A 650MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMR, 1000FT, BLUE
ICCABR6AWH	CAT6A 650MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMR, 1000FT, WHITE

UL c UL FILE NO. 320548

CABLE, CAT6A, UTP, 23AWG, 4P, CMR, 1000ft			
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